WWTP Scenario	NPS only	NPS only	NY Spcl	NPS+PS	NPS+PS	8 and 4	8 and 4		NPS only
Year	2025	2025	2025	2025	2025	2025	2025		2025
Watershed First	No	L1st	L1st	No	L1st	No	L1st		No
State	TN	TN	TN	TN	TN	TN	TN		TP
DC	0.003	0.006	0.007	0.152	0.006	0.257	0.259		0.001
DE	0.212	0.036	0.039	0.116	0.036	0.054	-0.122		0.005
MD	1.164	1.061	1.142	1.590	1.061	1.922	1.819		0.079
NY	0.242	0.699	0.399	0.201	0.699	0.179	0.636		0.013
PA	2.298	1.683	1.811	1.740	1.683	1.407	0.793		0.103
VA	0.957	1.476	1.589	1.497	1.476	1.190	1.709		0.137
WV	0.138	-0.054	0.000	0.103	-0.054	0.082	-0.111		0.012
Total	5.015	4.908	4.986	5.400	4.908	5.091	4.984		0.348
		See Note1			See Note1				

NPS only 2025 L1st TP	NY Spcl 2025 L1st TP	NPS+PS 2025 No TP	NPS+PS 2025 L1st TP	8 and 4 2025 No TP	8 and 4 2025 L1st TP		NPS only 2035 No TN	NPS only 2035 L1st TN	NPS+PS 2035 No TN	NPS+PS 2035 L1st TN
0.001	0.001	0.018	0.001	0.021	0.021		0.007	0.007	0.316	0.046
0.003	0.003	0.002	0.003	0.002	0.000		0.442	0.138	0.242	0.112
0.111	0.111	0.107	0.111	0.116	0.149		2.426	1.905	3.315	2.017
0.044	0.044	0.011	0.044	0.011	0.043		0.504	1.202	0.420	1.191
0.095	0.095	0.069	0.095	0.070	0.062		4.789	3.618	3.627	3.472
0.337	0.337	0.179	0.337	0.121	0.321		1.995	3.009	3.121	3.151
0.009	0.009	0.008	0.009	0.007	0.003		0.288	0.308	0.214	0.299
0.599	0.599	0.393	0.599	0.348	0.599		10.451	10.187	11.255	10.288
See Note1			See Note1							

8 and 4 2035 No TN	8 and 4 2035 L1st TN		NPS only 2035 No TP	NPS only 2035 L1st TP	NPS+PS 2035 No TP	NPS+PS 2035 L1st TP	8 and 4 2035 No TP	8 and 4 2035 L1st TP
0.260	0.260		0.002	0.001	0.037	0.006	0.022	0.021
0.284	-0.020		0.010	0.007	0.004	0.007	0.007	0.004
3.184	2.663		0.164	0.235	0.222	0.242	0.201	0.272
0.441	1.139		0.026	0.087	0.023	0.087	0.025	0.086
3.899	2.728		0.214	0.287	0.143	0.278	0.181	0.255
2.228	3.242		0.285	0.733	0.374	0.745	0.269	0.718
0.231	0.252		0.025	0.053	0.016	0.052	0.020	0.048
10.528	10.263		0.726	1.404	0.818	1.416	0.726	1.404

WWTP Scenario	NPS only	NPS only	NY Spcl	NPS+PS	NPS+PS	8 and 4	8 and 4
Year	2025	2025	2025	2025	2025	2025	2025
Watershed First	No	L1st	L1st	No	L1st	No	L1st
State	Combined	Combined	Combined	Combined	Combined	Combined	Combined
DC	0.005	0.007	0.008	0.181	0.007	0.291	0.294
DE	0.226	0.044	0.047	0.122	0.044	0.059	-0.122
MD	1.357	1.331	1.412	1.832	1.331	2.186	2.160
NY	0.272	0.803	0.503	0.227	0.803	0.206	0.737
PA	2.531	1.904	2.032	1.898	1.904	1.568	0.941
VA	1.241	2.222	2.335	1.934	2.222	1.453	2.434
WV	0.158	-0.040	0.015	0.115	-0.040	0.092	-0.105
Total	5.789	6.272	6.350	6.308	6.272	5.856	6.339
		See Note1			See Note1		

NPS only 2035 No Combined	NPS only 2035 L1st Combined	NPS+PS 2035 No Combined	NPS+PS 2035 L1st Combined	8 and 4 2035 No Combined	8 and 4 2035 L1st Combined
0.010	0.009	0.378	0.055	0.296	0.295
0.470	0.158	0.253	0.131	0.304	-0.008
2.827	2.438	3.818	2.563	3.656	3.267
0.566	1.408	0.473	1.396	0.501	1.343
5.275	4.267	3.955	4.101	4.312	3.304
2.587	4.683	4.030	4.865	2.799	4.895
0.328	0.394	0.239	0.383	0.263	0.329
12.064	13.358	13.146	13.494	12.131	13.425

Load reductions beyond Phase III Planning Targets, Depending on allocation method selected by the WQGIT

Same loads as presented in April MWG and May WQGIT with additional options specified in May WQGIT

Calculated in 'Planning Targets 2020 06 02 Climate Scoping Runs Calc'

and 'Assimilative Capacity Climate Effect 2020 06 02'

Types of allocation

WWTP Scenario

Year

Loads First

Nutrient

Note 1:

Heading

NPS only
NPS+PS
6 and 4.5
6 and 4
8 and 4

2025
2035

All allocation
Loads First

TN
TP
Combined

2025
Loads First

Meaning
Increase only 'Non-WW loads' from chart at right, TN and TP raise by the same percentage
increase both WWTP and non-WWTP lines equally
Set WWTP TN line at 6 and 4.5 mg/l rather than 8 and 4.5, TP limits moved proportionally to the distance from E3
Set WWTP TN line at 6 and 4 mg/l rather than 8 and 4.5, TP limits moved proportionally to the distance from E3
Set WWTP TN line at 8 and 4 mg/l rather than 8 and 4.5, TP limits moved proportionally to the distance from E3

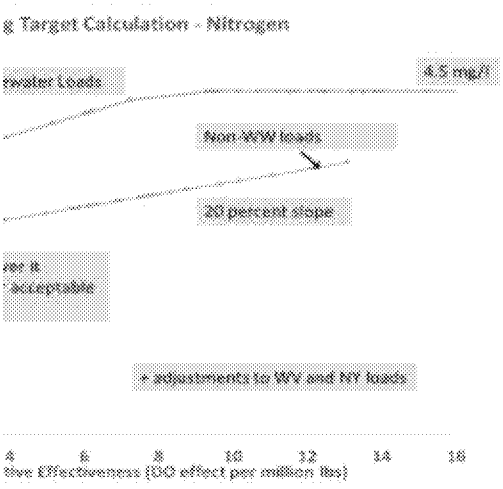
2025 climate
2035 climate

Allocation based only on chart at right
Jurisdictions reduce climate-increased loads first then remaining allocations based on chart

TN
TP
Combined N and P in units of N, using the approved exchange ratios

For both N and P, the 'all sources' reduction is equal to the 'non-WWTP' reduction
because the load reduction by the juridictions meets the water quality standards goal
Since there is no allocation based on the chart, the loads are equal
If the WQGIT selects this option, the WQGIT could decide to divide a negative allocation of approximately
0.025 million lbs TN and 0.0017 million lbs TP between the juridictions according to the allocation curves

Planning
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
0
2
Waste
8 mg/l
Intercept where
needed to be for
water quality


g Target Calculation - Nitrogen
water Loads
4.5 mg/l
Non-WW loads
20 percent slope
ter is
acceptable
+ adjustments to WV and NY loads
4
6
8
10
12
14
16
ive Effectiveness (DO effect per million lbs)